



and the state	Statistics				
Parameter	Sample Size (N)	Average (Mean) (mg/L)	Standard Deviation (o)	% of Total	
Total Nitrogen	7	0.698	0.24		
Total Kjeldahl Nitrogen	7	0.604	0.19	86.6%	
Organic Nitrogen	2	0.690	0.21	78.1%	
Nitrate-Nitrogen	3	0.139	0.05		
Nitrite-Nitrogen	3	U			
Total-NOx Nitrogen	7	0.094	0.05	13.4%	
Ammonia-Nitrogen	2	0.075	0.11	8.5%	
Total Phosphorous	7	0.123	0.06		
Ortho-Phosphorous	2	0.116	0.05	70.9%	
Org-Phosphorous	2	0.048	0.05	29.1%	
Total Suspended Solids	2	5.25	7.42		
Total Volatile Suspended Solids	2	3.00	4.24	57.1%	
Total Organic Carbon	2	14.40	2.40		



Stage 1 Water Quality Findings 10/14 – 11/17

- Steady decrease in both Nitrogen and Phosphorous following Hurricane Matthew Impacts
- Majority of Nitrogen is organic form 78.1% (difficult for plants to utilize)
- Majority of Phosphorous is in Ortho-P state, which is readily available to plants
- Low Nitrogen levels and dominance of Organic Nitrogen suggests Nitrogen deficient conditions exist at site during the period
- Suspended solids are low at site and were only detectable immediately after Hurricane Matthew



1







LEAPS showed superior areal removal rates (ARRs) to the P60 throughout Stage 2 and into early phases of Stage 3					
System	Stage	Harvest Based Removals			
		Nitrogen Areal Removal (g/m2/year)	Phosphorus Areal Removal (g/m2/yea		
LEAPS	Stage 2/3ª	52.19	9.74		
			7.05		















